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ABSTRACT

This is volume 2 of the series of translations of books from the Soviet literature on research in the psychology of mathematics instruction and on teaching methods influenced by the research. An introduction to Soviet education and mathematics education is provided. The purpose of this volume is to substantiate the idea that a genuine solution to the problems of modern instructional education from the standpoint of its logical and psychological foundations presupposes a "change in the type of thinking" projected by the content of school subjects and by the methods of teaching them. Chapters included are: (1) "The Problem of Generalization in Traditional Psychology and Didactics"; (2) "The Epistemological Essence of the Theory of Generalization and Concept Formation which is Accepted in Traditional Psychology and Didactics"; (3) "A Critical Analysis of the Empirical Theory of Thought"; (4) "The Empirical Character of Generalization as One of the Sources of Difficulties in Mastering Instructional Material"; (5) "The Absolutization of Rational-Empirical Thought in Educational Psychology and Didactics"; (6) "Criticism of the Empirical Theory of Thought in Psychology"; (7) "The Basic Propositions in the Dialectical Materialist Theory of Thought"; and (8) "On the Potential for Implementing the Idea of Theoretical Generalization in Solving Problems in Educational Psychology." (YP)

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